WHAT IS CLAIMED IS:

1. A process for producing a composite semipermeable membrane which comprises forming on a surface of a porous supporting film a thin film comprising a polyamide resin obtained by reacting a polyfunctional amine ingredient with a polyfunctional acid ingredient in the presence of at least an alkali metal hydroxide and an organic acid.

2. The process as claimed in claim 1, wherein the thin film is formed by bringing an aqueous solution prepared by mixing at least the polyfunctional amine ingredient, the alkali metal hydroxide, the organic acid, and water into contact with an organic solution containing the polyfunctional acid ingredient to cause interfacial polymerization.

3. The process as claimed in claim 2, wherein the thin film is heated to 100°C or higher.

4. The process as claimed in claim 1, wherein the organic acid contains at least one of a sulfo group and a carboxyl group.

5. The process as claimed in claim 1, wherein the organic acid is an organic acid which does not have a long-chain alkyl group having 6 or more carbon atoms.

6. The process as claimed in claim 2, wherein the ratio of the normality of the alkali metal hydroxide to that of the organic acid to be mixed therewith (alkali metal

hydroxide/organic acid) is from 1.2/1 to 0.9/1.

7. The process as claimed in claim 2, wherein the aqueous solution has a pH of 5-11.

8. A composite semipermeable membrane obtained by a process comprising forming on a surface of a porous supporting film a thin film comprising a polyamide resin obtained by reacting a polyfunctional amine ingredient with a polyfunctional acid ingredient in the presence of at least an alkali metal hydroxide and an organic acid.

9. The composite semipermeable membrane as claimed in claim 8, wherein the thin film is formed by bringing an aqueous solution prepared by mixing at least the polyfunctional amine ingredient, the alkali metal hydroxide, the organic acid, and water into contact with an organic solution containing the polyfunctional acid ingredient to cause interfacial polymerization.

10. The composite semipermeable membrane as claimed in claim 8, wherein the thin film is heated to 100°C or higher.

11. The composite semipermeable membrane as claimed in claim 8, wherein the organic acid contains at least one of a sulfo group and a carboxyl group.

12. The composite semipermeable membrane as claimed in claim 8, wherein the organic acid is an organic acid which does not have a long-chain alkyl group having 6 or more carbon atoms.

13. The composite semipermeable membrane as claimed in claim 9, wherein the ratio of the normality of the alkali metal hydroxide to that of the organic acid to be mixed therewith (alkali metal hydroxide/organic acid) is from 1.2/1 to 0.9/1.

14. The composite semipermeable membrane as claimed in claim 9, wherein the aqueous solution has a pH of 5-11.

15. A composite semipermeable membrane which comprises a porous supporting film and formed on a surface thereof a thin film comprising a polyamide resin obtained by a condensation reaction of a polyfunctional amine ingredient with a polyfunctional acid ingredient, wherein the thin film contains an organic acid/alkali metal salt formed from an alkali metal hydroxide and an organic acid having no long-chain alkyl group having 6 or more carbon atoms.

16. The composite semipermeable membrane as claimed in claim 15, wherein the organic acid contains at least one of a sulfo group and a carboxyl group.